IN THE CLAIMS

The claims are amended as follows:

1. (Currently Amended) A physiological monitoring system, comprising:

a data acquisition component configured to acquire a set of physiological data;

a data processing component configured to generate a ~~set~~plurality of high-resolution symbols from the set of physiological data; and

a printing component configured to print at least the plurality of high-resolution symbols onto a suitable medium.

2. (Currently Amended) The physiological monitoring system as recited in claim 1, wherein the set of physiological data comprises a set of ECG data.

3. (Original) The physiological monitoring system as recited in claim 1, wherein the printing component is configured to print the plurality of high-resolution symbols with a printout of the set of physiological data.

4. (Original) The physiological monitoring system as recited in claim 1, further comprising two or more sensor leads connected to the data acquisition component via respective lead wires.

5. (Original) The physiological monitoring system as recited in claim 1, further comprising a storage component configured to receive at least one of the set of physiological data and the plurality of high-resolution symbols.

6. (Currently Amended) The physiological monitoring system as recited in claim 1, further comprising a scanning component configured to read the plurality of high-resolution symbols from the ~~solid~~suitable medium.

7. (Original) The physiological monitoring system as recited in claim 6, wherein the data processing component is configured to reconstruct the set of physiological data from the plurality of high-resolution symbols.

8. (Original) The physiological monitoring system as recited in claim 7, wherein the printing component is configured to print at least the set of physiological data onto a printout.

9. (Original) A physiological data printout, comprising:

a suitable medium; and

a plurality of high-resolution symbols printed on the suitable medium, wherein the plurality of high-resolution symbols encode a set of physiological data.

10. (Original) The physiological data printout as recited in claim 9, wherein the set of physiological data comprises a set of digital ECG data.

11. (Original) The physiological data printout as recited in claim 9, wherein the suitable medium comprises a printout of at least a portion of the set of physiological data.

12. (Original) The physiological data printout as recited in claim 9, wherein the set of physiological data comprises at least one digital waveform.

13. (Original) A method for storing physiological data, comprising:

acquiring a set of physiological data representative of one or more physiological parameters of interest;

generating a set of high-resolution symbols from the set of physiological data; and

printing the high-resolution symbols.

14. (Original) The method as recited in claim 13, wherein the set of physiological data comprise one or more digital ECG waveforms.

15. (Original) The method as recited in claim 13, wherein the set of physiological data comprise one or more digital waveforms.

16. (Original) The method as recited in claim 13, wherein printing the high-resolution symbols comprises printing the high-resolution symbols onto a printout of at least a portion of the set of physiological data.

17. (Original) A computer program, provided on one or more computer readable media, for storing physiological data, comprising:

a routine for acquiring a set of physiological data representative of one or more physiological parameters of interest;

a routine for generating a set of high-resolution symbols from the set of physiological data; and

a routine for printing the high-resolution symbols.

18. (Original) The computer program as recited in claim 17, wherein the set of physiological data comprises one or more digital ECG waveforms.

19. (Original) A method for acquiring a set of physiological data, comprising:

acquiring a set of high-resolution symbols from a printed medium; and

converting the set of high-resolution symbols to a set of physiological data representative of one or more physiological parameters of interest.

20. (Original) The method as recited in claim 19, wherein the set of physiological data comprises one or more digital ECG waveforms.

21. (Original) The method as recited in claim 19, further comprising storing the set of physiological data on a computer-accessible medium.

22. (Original) The method as recited in claim 19, further comprising printing at least a portion of the set of physiological data.

23. (Original) A computer program, provided on one or more computer readable media, for acquiring a set of physiological data, comprising:

a routine for acquiring a set of high-resolution symbols from a printed medium; and

a routine for converting the set of high-resolution symbols to a set of physiological data representative of one or more physiological parameters of interest.

24. (Original) The computer program as recited in claim 23, wherein the set of physiological data comprises one or more digital ECG waveforms.

25. (Original) The computer program as recited in claim 23, further comprising a routine for storing the set of physiological data on a computer-accessible medium.

26. (Original) The computer program as recited in claim 23, further comprising a routine for printing at least a portion of the set of physiological data.

27. (Original) An electrocardiograph (ECG) system, comprising:

means for acquiring a set of physiological data representative of one or more physiological parameters of interest;

means for generating a set of high-resolution symbols from the set of physiological data; and

means for printing the high-resolution symbols.

28. (Original) An electrocardiograph (ECG) system, comprising:

means for acquiring a set of high-resolution symbols from a printed medium; and

means for converting the set of high-resolution symbols to a set of physiological data representative of one or more physiological parameters of interest.

29. (Original) A waveform printout, comprising:

a suitable medium; and

means for storing a set of physiological data.